

ABSTRACT

Before recording data included in a data mask on a
holographic medium, the data mask and the holographic medium
5 are aligned by an aligner, which includes a beam supplying
unit for supplying an incident laser beam; a transferring
unit for receiving the incident laser beam and producing a
focused laser beam; a reflecting unit including the
holographic medium for receiving the focused laser beam
10 through a pinhole and then reflecting the received laser
beam back to the pinhole, wherein the reflected laser beam
passing through the pinhole returns to the transferring unit
and then is converted into a return laser beam by the
transferring unit; and a detecting unit for checking the
15 amount of the return laser beam to determine whether the
pinhole and the holographic medium are aligned or not.